

Welcome March 2015 Program Briefing

Rule 353 – Gasoline Dispensing Operations



Maricopa County
Air Quality Department



WALK MORE USE CFLS MORE CARPOOL MORE
BIKE MORE RAKE MORE TELECOMMUTE
MORE DRIVE HYBRIDS MORE CONSOLIDATE
ERRANDS MORE RIDE PUBLIC TRANSPORTATION
MORE USE ENERGY EFFICIENT APPLIANCES
MORE CARRY REUSABLE TOTE BAGS MORE
CONSIDER SOLAR MORE RUN COLD WATER
CYCLES MORE USE REUSABLE CONTAINERS
MORE CONSERVE ELECTRICITY MORE REDUCE
WOODBURNING MORE RECYCLE MORE USE
ELECTRIC LAWN AND GARDEN EQUIPMENT
MORE REFUEL AFTER DARK MORE RIDE
THE BUS MORE RIDE THE LIGHT RAIL MORE
WALK MORE USE CFLS MORE CARPOOL MORE
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**CLEAN AIR
MAKE
MORE**

The Office of Business Assistance is here for you

- Recent studies confirm that small businesses are substantially disadvantaged in complying with environmental regulations when compared to their large business counterparts.
- In addition, small companies are more likely to be negatively affected by regulations if they do not participate in the training and help offered by the local Governments.
- Small business owners who are not linked into government information networks may miss opportunities, such as this one, to get involved with how regulations affect them.



Disclaimer

This presentation is for Maricopa County requirements

Your business or operation may be subject to other Agencies



Common Questions we will cover

- What does my permit look like?
- What do I do with it?
- Do I have to post it?
- Will an inspector ask me for it?
- What if I lose my permit?
- What does an Inspector look for?
- How do I apply for a new permit?
- How do I make changes to the permit?
- What if I buy or sell the station?



Air Quality Permit Primer

- Title V
- Non Title V
- General
- Earthmoving
- Open Burn



Types of General Permits

General permits are best suited for the regulation of numerous, very similar, and generally smaller facilities and sources

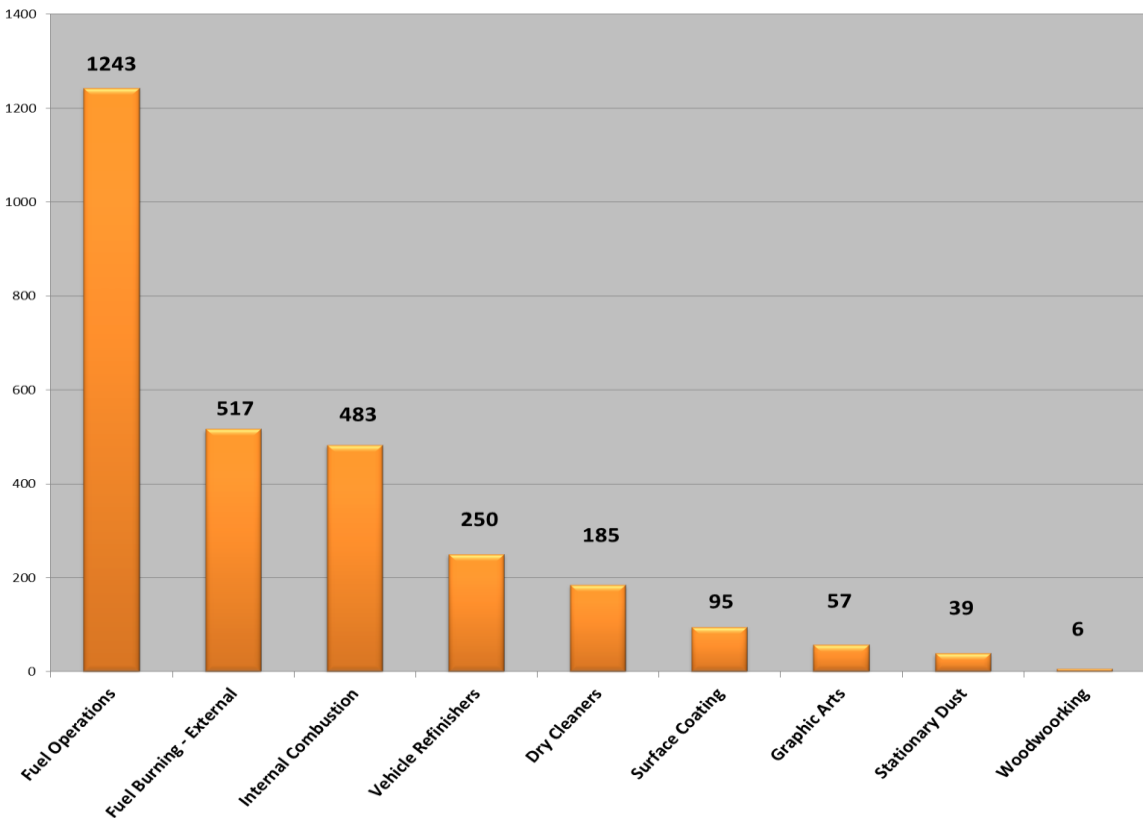
Benefits: Permitting process is simpler and less expensive

-
- Dry Cleaners
 - Fuel Burning (boilers and heaters)
 - Gasoline Fuel Dispensing Operations
 - Graphic Arts
 - Stationary Dust-Generating Sources
 - Stationary Emergency Internal Combustion Engines
 - Surface Coating Operations
 - Vehicle & Mobile Equipment Finishing
 - Woodworking Operations



Types of General Permits

General Permits Currently Issued




About My Permit

- All General Permits issued for a term of 5 years.
- Each type of general permit expires on the same date
- All Gasoline dispensing operations permits will expire on **11/3/2018**

Permit Number: G11139
Issue Date: 05/19/2011
Expiration Date: 11/03/2018

Air Quality Department
1001 N Central Ave, Suite 400
Phoenix, AZ 85004
William Wiley, Director



Permit Number: G11139
Issue Date: 05/19/2011
Expiration Date: 11/03/2018

**Air Quality General Permit
Authority to Operate and/or Construct
Gasoline Dispensing Operation**

QUIKTRIP CORPORATION
C/O LAURA THOMPSON
PO BOX 3475
TULSA, OK 74101

PREMISES:
QUIKTRIP #1408
2250 E THOMAS RD
PHOENIX
(480) 797 - 8363

SOURCES:
GAS RE-SALE

This Authority to Operate (ATO) is issued in accordance with the Maricopa County Air Pollution Control Regulations, Rules 200, 230, and 353, and Section 49-480 of the Arizona Revised Statutes.

The attached Permit Conditions are incorporated into and form an integral part of this Authority to Operate under the General Permit. To maintain this ATO, you will pay an annual fee based on the date the ATO was issued to you.

If the Control Officer determines that additional monitoring, sampling, modeling and/or control of emissions from the facility may reasonably be needed to provide for the continued protection of public health, safety and/or welfare, the Control Officer will amend the provisions of the Permit.

This ATO may be subject to revocation for cause including nonpayment of fees, noncompliance with Arizona Revised Statutes, Maricopa County Air Pollution Control Regulations or the attached Permit Conditions, or if the Control Officer determines that significant misrepresentation exists in the application and/or supporting documentation filed to obtain this ATO. There are civil and criminal penalties you may be subject to for violation of the permit conditions or any Federal Regulations, State Regulations, and Maricopa County Air Pollution Control Rules and Regulations that pertain to this facility.

For any questions regarding this permit, please contact Maricopa County Air Quality Department at (602) 506-6010



CLEAN AIR
MAKE
MORE

WALK MORE USE CFLS MORE
ERRANDS MORE RIDE PUBLIC
MORE CONSIDER SOLAR MORE
REDUCE WOODBURNING MORE
MORE RIDE THE BUS MORE

How Do I renew My Permit?

USE MORE CONSOLIDATE
REUSABLE TOTE BAGS
CONSERVE ELECTRICITY MORE
REFUEL AFTER DARK
RIKE MORE RAKE MORE



Maricopa County
Air Quality Department

Maricopa County Air Quality Department
1001 N Central Ave, Suite 125, Phoenix, AZ 85004
Phone (602) 506-6010 Fax (602) 372-0587
AQPermits@mail.maricopa.gov

GENERAL PERMIT - RENEWAL APPLICATION

RENEWAL APPLICATION FOR THE AUTHORITY TO OPERATE UNDER A GENERAL AIR QUALITY PERMIT
(As required by A.R.S. §49-480 and Maricopa County Air Pollution Control Regulations, Rule 200)
ALL APPLICANTS MUST COMPLETE THE ENTIRE APPLICATION

1. Existing Permit Number:		Permit Expiration Date:	
2. General Permit Type			
<input type="checkbox"/> Dry Cleaner	<input type="checkbox"/> Gas Station	<input type="checkbox"/> Surface Coating Operations	
<input type="checkbox"/> Fuel Burning	<input type="checkbox"/> Stationary Dust-Generating Sources	<input type="checkbox"/> Vehicle & Mobile Equipment Refinishing	
<input type="checkbox"/> Graphic Arts	<input type="checkbox"/> Stationary Emergency IC Engines	<input type="checkbox"/> Woodworking	
3. Will there be any changes to the operating scenario(s) from those defined in the existing permit?		<input type="checkbox"/> Yes <input type="checkbox"/> No	If you answered Yes to any of Questions 3 - 6, please contact the department for assistance in determining the applicability of the general permit.
4. Will there be any new, modified, or reconstructed stationary sources or air pollution control equipment from those defined in the existing permit?		<input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Are there any emissions present that have not been correctly identified and defined in the existing permit?		<input type="checkbox"/> Yes <input type="checkbox"/> No	
6. Will there be any changes that trigger any other new applicable requirements?		<input type="checkbox"/> Yes <input type="checkbox"/> No	
7. Has the ownership of this facility changed since the permit was last issued or transferred?		<input type="checkbox"/> Yes <input type="checkbox"/> No	If Yes to Question 7, submit a Permit Transfer Application
8. Business Name (as filed with the Arizona Corporation Commission):			
9. Address of Site:			
City:		State: Arizona	Zip Code:
Name:			
10. Contact at Site:			
Phone:		Alt Phone:	Email:
11. Name and Address of Ownership or Legal Entity:			
Name:		City:	State: Zip Code:
12. Ownership Contact:			
Name:		Phone:	Fax: Email:
13. Send all correspondence to:			
Address:		City:	State: Zip Code:
Attn:			

NOTE: PERMIT WILL BE SENT TO EMAIL ADDRESS PROVIDED IN ITEM 14 BELOW.

14. The authorized contact person regarding this application is:

Name: _____ Phone: _____
Title: _____ Company: _____
Email: _____

15. I certify that I am familiar with the operations and equipment represented on this application, and the statements and information provided herein are true, accurate, and complete based on information and belief formed after reasonable inquiry.

Type or print name and title of responsible official: _____
Signature of owner or responsible official: _____ Date: _____

For Office Use Only: _____ Date Received: _____ Log Number: _____



- If there are no changes or modifications to your permit - you can submit this one page renewal form (link can be found on the information page)
- There is **no fee** for the renewal application.

DRIVE HYBRIDS MORE CONSOLIDATE ERRANDS MORE RIDE PUBLIC TRANSPORTATION MORE USE ENERGY EFFICIENT APPLIANCES MORE CARRY REUSABLE TOTE BAGS MORE CONSIDER SOLAR MORE RUN COLD WATER CYCLES MORE USE REUSABLE CONTAINERS MORE CONSERVE ELECTRICITY MORE REDUCE WOODBURNING MORE RECYCLE MORE USE ELECTRIC LAWN AND GARDEN EQUIPMENT MORE REFUEL AFTER DARK MORE RIDE THE BUS MORE WALK MORE

Permit Questions?

Q: What happens if I lose my permit, can I get a copy?


A: Yes, just fill out a records request form and one will be mailed or emailed to you (link on information page)

Q: What does it cost?

A: There are no fees to get a copy of your permit

Q: Do I have to post it?

A: Yes, please post it with all of your other permits – someplace conspicuous

 **Maricopa County**
Air Quality Department

Return completed form to:
Maricopa County Air Quality Department
Attention: Records Management
1001 N Central Ave., Suite 125, Phoenix, AZ 85004
Phone: (602) 506-6010 Fax: (602) 506-6017
recordsrequest@maricopa.gov

NON-COMMERCIAL PUBLIC RECORDS REQUEST

To the Custodian of records at: MCAQD

Request is hereby made to ☐ Inspect ☐ Reproduce the following public record(s):

☐ (Please be as specific as possible. Indicate the document name, page numbers, address, and permit number, if available.)

If you want to receive copies of the requested records, please specify the format or method you would prefer:
☐ Email ☐ Paper copies ☐ CD ☐ Records inspection only - no copies requested.

There is a fee to cover the costs of reproduction for paper copies or CDs. Please select one of the choices below.
(For the current fee schedule, see: http://www.maricopa.gov/airquality/air_quality_records/default.asp)

☐ I agree to pay an amount not to exceed _____

If my request exceeds this amount, please notify me before copying the requested records.

☐ Please notify me of the full charge for the records before copying.

☐ Pursuant to A.R.S. § 39-121.03, I certify that the record(s) are requested for non-commercial purposes only.

Disclaimer/Indemnification
Note: If your request is for a commercial purpose, you must use the Commercial Purpose Public Records Request Form.*

Requester understands and agrees that Maricopa County does not guarantee the accuracy of the data and information requested and hereby expressly disclaims any responsibility for the truth, validity, accuracy, incompleteness, or any other data and information. Requester/Purchaser accepts responsibility for Requester/Purchaser's unauthorized use or transmission of any such data and information in its actual or alleged form.

☐ I have read and understood, and agree to the terms of, the disclaimer/indemnification above.

Requester Signature: _____

Requester Name: _____ Date: _____

Street: _____ City: _____ State: _____ Zip: _____

Email: _____ Phone: _____ Fax: _____

*Warning:
A person who obtains public records for a commercial purpose without indicating the commercial purpose or who obtains a public record for a non-commercial purpose and uses or knowingly allows the use of such public record for a commercial purpose or who obtains a public record for a commercial purpose and uses or knowingly allows the use of such public record for a different commercial purpose shall in addition to other penalties be liable to the state or the political subdivision from which the public record was obtained for damages in the amount of three times the amount which would have been charged for the public record had the commercial purpose been stated plus costs and reasonable attorney's fees or shall be liable to the state or the political subdivision for the amount of three times the actual damages if it can be shown that the public record would not have been provided had the commercial purpose of actual use been stated at the time of obtaining the record. A.R.S. § 39-121.03(C).
"Commercial purpose" is "the use of a public record for the purpose of sale or resale or for the purpose of producing a document containing all or part of the copy, printout or photograph for sale or the obtaining of names and addresses from public records for the purpose of solicitation or the sale of names and addresses to another for the purpose of solicitation or for any purpose in which the purchaser can reasonably anticipate the receipt of monetary gain from the direct or indirect use of the public record."
A.R.S. § 39-121.03(D).
Revised 10/04/14

Page 1 of 1



Maricopa County
Air Quality Department

Permit Questions?

• What if I need to make changes to my permit?

- Some changes that do not need a modification:
(Contact update form)
 - Contact information changes
 - Owner address changes
 - Mailing address
- Some changes that need a permit revision
(Modification form):
 - Ownership change
 - Process change that triggers a new requirement

**Note: If you are unsure about a change
please contact the Business Assistance Coordinator
at 602-506-5102 or AQbusinessassistance@mail.maricopa.gov**

Maricopa County
Air Quality Department

Renewal completed form to:
Maricopa County Air Quality Department
1001 N Central Ave, Suite 125, Phoenix, AZ 85004
Phone (602) 506-5102 Fax (602) 573-0987
AQPermit@mail.maricopa.gov

CONTACT INFORMATION UPDATE

Documents may be submitted in person at:
1001 N. Central Ave, Suite 125, Phoenix, AZ 85004 or 501 N. 44th Street, Suite 200, Phoenix, AZ 85008.

Use this form to update the types of contacts listed below. Update forms may be emailed to AQPermit@mail.maricopa.gov.

Permit Number: _____ Business Name: _____

Contact Type: ☐ On-Site Contact (Designated on-site contact at the facility; this person will be contacted before Air Quality staff enters property).

Contact Name: _____

Street Address: _____
Number: _____ Dir: _____ Street Name: _____ Street Type: _____

City: _____ State: Arizona _____ Zip: _____

Phone Numbers: Phone: _____ Fax: _____ Mobile Phone: _____

Email: _____ Affiliation: _____

Contact Type: ☐ Off-Site Address (Business owner who will receive any label mailing attempts and violation/enforcement documents).

Contact Name: _____

Street Address: _____
Number: _____ Dir: _____ Street Name: _____ Street Type: _____

City: _____ State: Arizona _____ Zip: _____

Phone Numbers: Phone: _____ Fax: _____ Mobile Phone: _____

Email: _____ Affiliation: _____

Contact Type: ☐ Permit Contact (Designated representative to handle all permit-related questions; may or may not be located on site).

Contact Name: _____

Street Address: _____
Number: _____ Dir: _____ Street Name: _____ Street Type: _____

City: _____ State: Arizona _____ Zip: _____

Phone Numbers: Phone: _____ Fax: _____ Mobile Phone: _____

Email: _____ Affiliation: _____

Contact Type: ☐ Permit Mailing (This contact will receive notice documents mailed by Air Quality such as Notices, Permits and Renewals).

Contact Name: _____

Street Address: _____
Number: _____ Dir: _____ Street Name: _____ Street Type: _____

City: _____ State: Arizona _____ Zip: _____

Phone Numbers: Phone: _____ Fax: _____ Mobile Phone: _____

Email: _____ Affiliation: _____

Revised 11/16/14



Maricopa County
Air Quality Department

RULE 353

GASOLINE IN STATIONARY DISPENSING TANKS

PURPOSE: To limit VOC (volatile organic compound) emissions from gasoline stored in stationary dispensing tanks, and from gasoline delivered into such tanks.

APPLICABILITY: This rule is applicable to gasoline stored in or transferred into any stationary dispensing tank with a capacity of more than 250 gallons (946 l). This includes gas stations and other gasoline-dispensing facilities, including those located at airports.



Violations (2010-2015)

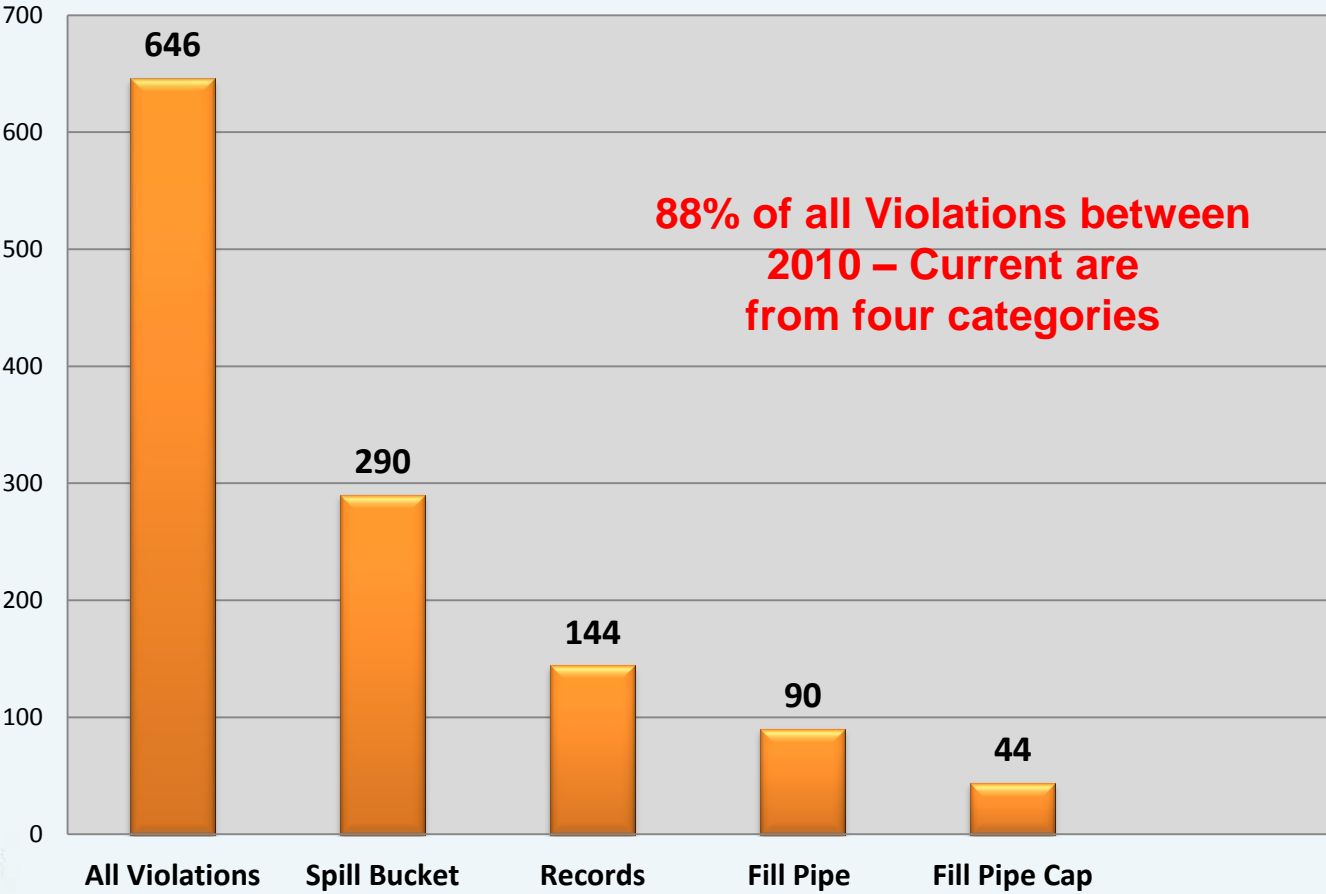
646 Violations

- Section 301 – Spill Containment violations
 - 290 violations - Holes, cracks, foreign material
- Section 302 – Fill Pipe violations
 - 90 violations - Fill pipe distance from the bottom
 - 44 violations – Fill pipe cap – damaged or gasket missing
- Section 502 - Recordkeeping
 - 144 violations – Not readily available, missing inspections, fuel throughput



Violations

Rule 353 Violations (2010-Current)



CLEAN AIR
MAKE
MORE

WALK MORE USE CFLS
ERRANDS MORE RIDE PUBLIC
MORE CONSIDER SOLAR
REDUCE WOODBURNING
MORE RIDE THE BUS

What does an inspector look for?

MORE CONSOLIDATE
REUSABLE TOTE BAGS
ELECTRICITY MORE
REFUEL AFTER DARK
MORE RAKE MORE

- When the inspector comes on site
 - Head straight for managers office or the site contact
 - ✓ Introduction
 - ✓ Identification
 - ✓ Inspection Rights
- The Inspection
 - ✓ Administrative records review
 - ✓ Site walk around



Maricopa County
Air Quality Department

Maricopa County Air Quality Department
1001 N. Central Avenue Suite 125
Phoenix, AZ 85004
Phone: (602) 506-6010
Fax: (602) 506-2537

NOTICE OF INSPECTION RIGHTS
Applicable to small businesses, large businesses, and all regulated activities

Company/Permit/Notification Holder: **OWNER/OPERATOR**

Date: _____ Time: _____ Permit/Notification Number: _____

Inspector: _____ Phone: _____

If you have any questions, you may contact the inspector's supervisor: _____ at phone number: 602.506.6734

1. The Maricopa County Air Quality Department (hereinafter "department") representative(s) identified above was/were present at the above regulated site at the above listed date and time. Upon entry to the premises, the department representative(s) met with you, presented photo identification indicating that they are a department employee(s) and explained that:

• The purpose of this inspection is:

- To determine compliance with Arizona Revised Statutes (A.R.S. Title 49, Chapter 3, Article 3) and/or Maricopa County Air Pollution Control Regulations.
- To determine compliance with an Air Quality Permit issued pursuant to A.R.S. § 49-401, and Maricopa County Regulations Rule 100, Section 105.
- To determine compliance with an administrative or judicial order issued pursuant to A.R.S. § 49-401, § 49-511, § 49-512.

• This inspection is being conducted pursuant to A.R.S. § 49-471, § 49-474, § 49-484, and/or the inspection and entry provisions in an Air Quality Permit or conditional order. There are no direct fees for this inspection.

2. I understand that I may accompany the department representative(s) on the premises, except during confidential interviews.

3. I understand that I have the right to copies of any original document(s) taken during the inspection, and that the department will provide copies of those documents at the department's expense.

4. I understand that I have the right to request copies of any documents that will be relied upon to determine compliance with licensure or regulatory requirements, if the agency is permitted by law to release such documents. Instructions for requesting records are available at www.azdhs.gov/azdhs/control_surveillance_defect.asp.

5. I understand that I have a right to a split of any sample(s) taken during the inspection, if the split of the sample(s) would not prohibit an analysis from being conducted or render an analysis inconclusive.

6. I understand that I have the right to copies of any analysis performed on sample(s) taken during the inspection and that the department would provide copies of this analysis at the department's expense.

7. I understand that each person interviewed during the inspection will be informed that their statements may be included in the inspection report.

8. I understand that each person whose conversation will be tape-recorded during the inspection will be informed that the conversation is being tape-recorded.

9. I understand that if an administrative order is issued or a permit decision is made based on the results of the inspection, I have the right to appeal that administrative order or permit decision. I understand that any administrative hearing rights are set forth in A.R.S. § 49-402, § 49-409 as set, and Maricopa County Air Pollution Control Regulations Title 49, Rule 400. If I have any questions concerning my right to appeal an administrative order or permit decision, I may contact the department Business Assistance Coordinator at 602-506-5102.

10. I understand that the issuance of an Opportunity to Correct or a Notice of Violation is not appealable. I understand that if I have any questions or concerns about this inspection, or I wish to dispute the inspection findings, I may contact the department Business Assistance Coordinator at 602-506-5102.

11. If a Notice of Violation is issued, I understand that I may check its status at www.maricopa.gov/ag/airquality/infrastructure/notice_violation.aspx.

12. I understand that audit reports may be subject to privilege under A.R.S. 49-1402. The department may refuse to accept reports for which privilege is claimed.

13. Your feedback is essential in helping us to enhance outstanding customer service, so please take a moment to tell us what we do well and what needs improvement by completing a Feedback Form located at www.maricopa.gov/ag/airquality/infrastructure/notice_violation.aspx under "Contact Us".

14. While I have the right to decline to sign this form, the department representative(s) may still proceed with the inspection/investigation.

Site Contact (print): _____ Title: _____

SIGN HERE: ☐ Declined to Sign
☐ Not on Site

Inspection Rights For 05May15 revision

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WOODBURNING MORE RECYCLE MORE USE ELECTRIC LAWN AND GARDEN EQUIPMENT MORE REFUEL AFTER DARK MORE RIDE THE BUS MORE WALK MORE

Inspector look for?

Maricopa County
Air Quality Department

ARIZONA DEPARTMENT OF HEALTH SERVICES
 600 North Central Avenue, Suite 1215
 Phoenix, AZ 85004
 Phone: (602) 961-6100 Fax: (602) 961-6337

V/R Daily Inspection Log
Must Be Filled Under Penalty of Law R20-2-009

Vacuum Assist Systems

Month: _____ Year: _____

DISPOSABLES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1. Inspect collection & Discharge (Trash pulled & installed)?																															
2. Weights & Measures number printed - installed? (R22, 205211)																															
3. Clean Disposables. Check for any leaks or slips.																															
4. How well spins 10 ft. of machine material?																															
NOZZLES																															
1. Are nozzles tight with air hose?																															
2. Are nozzles changed? when? on? last?																															
3. Does the Trigger (link property) throw freely when dispenser off & no fuel can be dispensed?																															
4. Is the nozzle dripping gasoline?																															
5. Does the fuel nozzle work each property?																															
6. Does the nozzle shut-off work properly?																															

OTHER

1. How many times did company (not National) report or more than 1? Shipping or the product?

2. [Blank] Is any fuel leaking from the connections?

OTHERS

1. Do all service items flow?

2. Are there any signs of leaking or leaking?

INSPECTION/STORAGE

1. How full facilities (other & dry)?

2. How full facilities (other & dry)?

3. How full facilities (other & dry)?

4. How full facilities (other & dry)?

5. How full facilities (other & dry)?

6. How full facilities (other & dry)?

7. How full facilities (other & dry)?

8. How full facilities (other & dry)?

9. How full facilities (other & dry)?

10. How full facilities (other & dry)?

11. How full facilities (other & dry)?

12. How full facilities (other & dry)?

13. How full facilities (other & dry)?

14. How full facilities (other & dry)?

15. How full facilities (other & dry)?

16. How full facilities (other & dry)?

17. How full facilities (other & dry)?

18. How full facilities (other & dry)?

19. How full facilities (other & dry)?

20. How full facilities (other & dry)?

21. How full facilities (other & dry)?

22. How full facilities (other & dry)?

23. How full facilities (other & dry)?

24. How full facilities (other & dry)?

25. How full facilities (other & dry)?

26. How full facilities (other & dry)?

27. How full facilities (other & dry)?

28. How full facilities (other & dry)?

29. How full facilities (other & dry)?

30. How full facilities (other & dry)?

31. How full facilities (other & dry)?

Maricopa County Air Quality Department
 1801 S. Central Avenue, Suite 1215
 Phoenix, AZ 85004 - phone: (602) 961-6100
 Fax: (602) 961-6100 Fax: (602) 961-6337

INSPECTOR

Date

PRINT HOLDER

PRINT

PRINT

RECORD NUMBER

RE

RE

RECORD NUMBER

RECORD NUMBER

RECORD NUMBER

RECORD NUMBER

RECORD NUMBER

RECORD NUMBER

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Daily Inspection Log

- Rule 353
 - Only requires weekly inspections
 - If deliveries are less than once per week, the inspection only needs to be completed at the time of the delivery

Make it easy on yourself and the inspector

- Keep records organized
 - Possibly in a notebook or file
- Educate all employees on what to expect if an inspector shows up.
 - We may conduct the inspection even when the site contact is not present

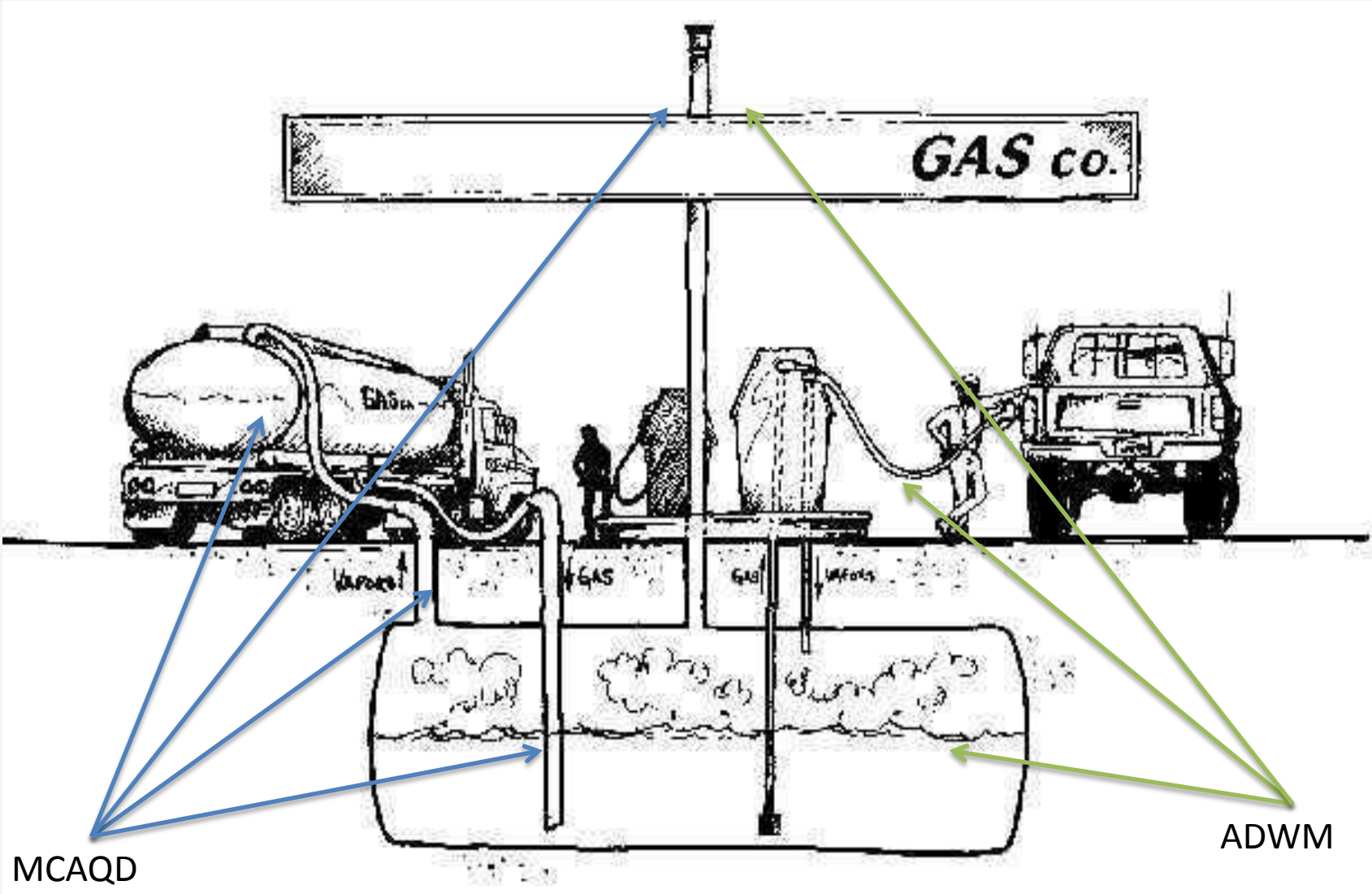


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Area of Responsibility

DO MORE CONSOLIDATE
REUSABLE TOTE BAGS
CONSERVE ELECTRICITY MORE
REFUEL AFTER DARK
BIKE MORE RAKE MORE



On-Site Inspection

BASIC TANK INTEGRITY: No vapor or liquid escapes are allowed through a dispensing tank's outer surfaces, nor from any of the joints where the tank is connected to pipe(s), wires, or other system.



On-Site Inspection

- Tank inspection
 - Pressure Vents



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RECYCLE MORE
USE ELECTRIC LAWN AND GARDEN EQUIPMENT MORE
REFUEL AFTER DARK MORE
RIDE THE BUS MORE
WALK MORE

Pressure / Vacuum Vent

WALK MORE
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RIDE THE BUS MORE
WALK MORE
RAKE MORE



Maricopa County
Air Quality Department

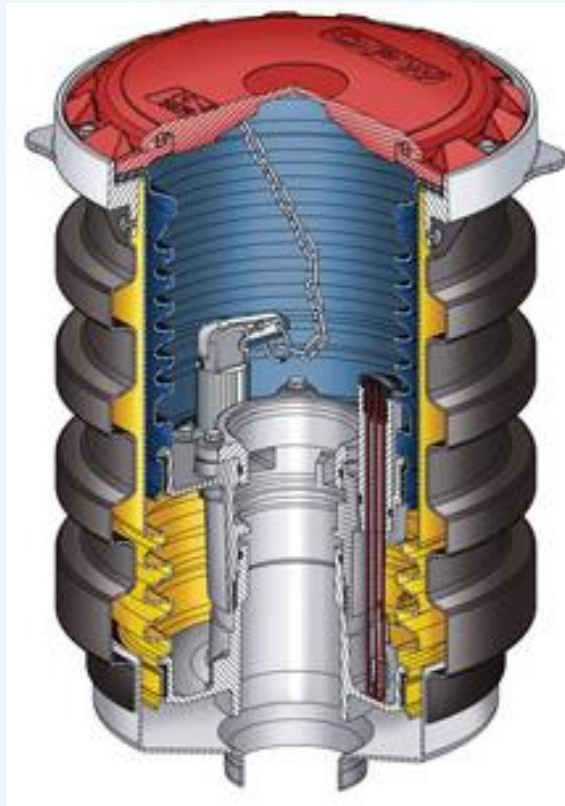
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On-Site Inspection

- Tank inspection
 - Pressure Vents
 - Spill containment receptacles
 - Free of foreign debris
 - Free of cracks
 - Drain valve functioning



- Spill Containment Receptacles



STORAGE TANKS – Typical Gasoline Underground Double Wall Tank



Diagram courtesy of www.containmentsolutions.com

On-site Inspection

- Make sure that the spill containment receptacles are free of gasoline and foreign debris
 - Note: The vapor recovery side is exempt from this requirement. The vapor recovery side can have water and foreign debris. There are stations where the spill containment receptacle is dirt.

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MORE RIDE THE BUS MORE

Foreign Debris

DO MORE CONSOLIDATE
REUSABLE TOTE BAGS
CONSERVE ELECTRICITY MORE
REFUEL AFTER DARK
DIKE MORE RAKE MORE



12/18/2013 11:44

CLEAN AIR
MAKE
MORE

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ERRANDS MORE RIDE PUBLIC
MORE CONSIDER SOLAR MORE
REDUCE WOODBURNING MORE
MORE RIDE THE BUS MORE

Foreign Debris

USE MORE CONSOLIDATE
REUSABLE TOTE BAGS
CONSERVE ELECTRICITY MORE
REFUEL AFTER DARK
BIKE MORE RAKE MORE



Maricopa County
Air Quality Department

DRIVE HYBRIDS MORE CONSOLIDATE ERRANDS MORE RIDE PUBLIC TRANSPORTATION MORE USE ENERGY EFFICIENT APPLIANCES MORE CARRY REUSABLE
TOTE BAGS MORE CONSIDER SOLAR MORE RUN COLD WATER CYCLES MORE USE REUSABLE CONTAINERS MORE CONSERVE ELECTRICITY MORE REDUCE
WOODBURNING MORE RECYCLE MORE USE ELECTRIC LAWN AND GARDEN EQUIPMENT MORE REFUEL AFTER DARK MORE RIDE THE BUS MORE WALK MORE

CLEAN AIR
**MAKE
MORE**

WALK MORE USE CFLS MORE
ERRANDS MORE RIDE PUBLIC
MORE CONSIDER SOLAR MORE
REDUCE WOODBURNING MORE
MORE RIDE THE BUS MORE

Foreign Debris

DO MORE CONSOLIDATE
REUSABLE TOTE BAGS
CONSERVE ELECTRICITY MORE
REFUEL AFTER DARK
DIKE MORE RAKE MORE



CLEAN AIR
MAKE
MORE

WALK MORE USE CFLS
ERRANDS MORE RIDE
MORE CONSIDER SOL
REDUCE WOODBURNING
MORE RIDE THE BUS

DO MORE CONSOLIDATE
REUSABLE TOTE BAGS
ELECTRICITY MORE
REFUEL AFTER DARK
BIKE MORE RAKE MORE

Spill Containment Receptacle

Crack



Make sure that there are not any cracks or holes in the spill containment receptacle

CLEAN AIR
MAKE
MORE

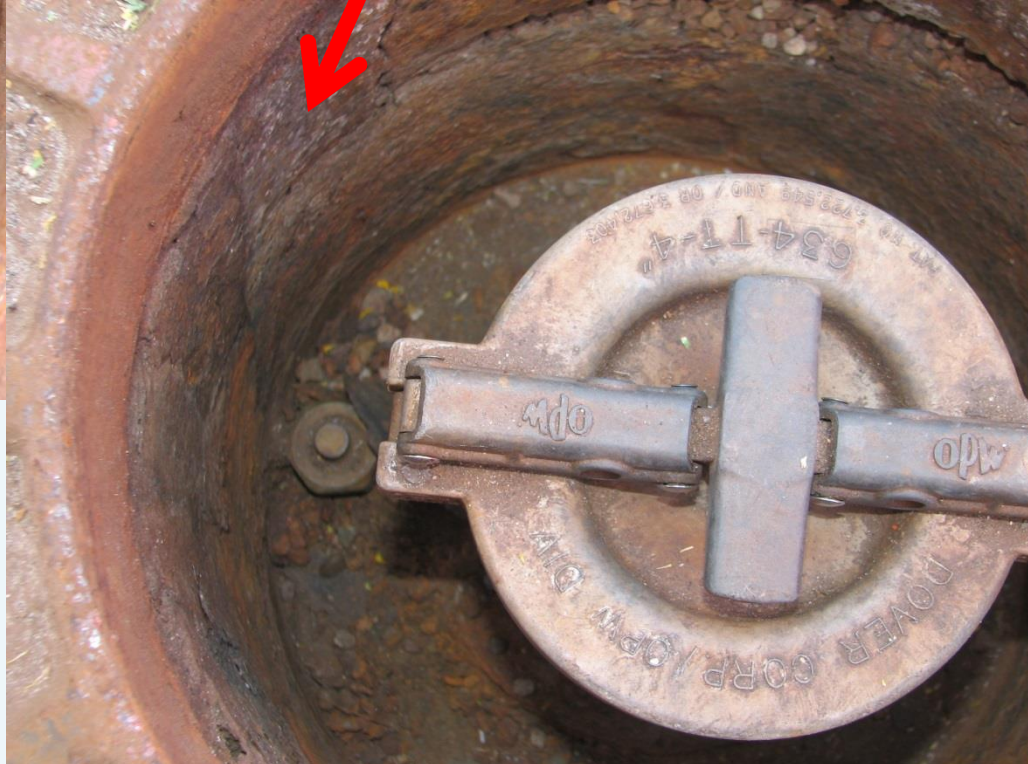
WALK MORE USE CFLS
ERRANDS MORE RIDE
MORE CONSIDER SOL
REDUCE WOODBURNING
MORE RIDE THE BUS

Spill Containment Receptacle

DO MORE CONSOLIDATE
REUSABLE TOTE BAGS
ELECTRICITY MORE
REFUEL AFTER DARK
DIKE MORE RAKE MORE



Cracks / Sections removed



CLEAN AIR
MAKE
MORE

WALK MORE USE CFLS MORE
ERRANDS MORE RIDE PUBLIC
MORE CONSIDER SOLAR MORE
REDUCE WOODBURNING MORE
MORE RIDE THE BUS MORE

Plunger Assembly

DO MORE CONSOLIDATE
REUSABLE TOTE BAGS
CONSERVE ELECTRICITY MORE
REFUEL AFTER DARK
DIKE MORE RAKE MORE



CLEAN AIR
MAKE
MORE

WALK MORE USE CFLS MORE
ERRANDS MORE RIDE PUBLIC
MORE CONSIDER SOLAR MORE
REDUCE WOODBURNING MORE
MORE RIDE THE BUS MORE

Plunger Assembly

DO MORE CONSOLIDATE
REUSABLE TOTE BAGS
CONSERVE ELECTRICITY MORE
REFUEL AFTER DARK
DIKE MORE RAKE MORE



On-Site Inspection

- Tank inspection
 - Pressure Vents
 - Clean spill containment receptacles
 - Gaskets installed



CLEAN AIR
MAKE
MORE

WALK MORE USE CFLS
ERRANDS MORE RIDE PUBLIC
MORE CONSIDER SOLAR
REDUCE WOODBURNING
MORE RIDE THE BUS

Missing Gasket

DO MORE CONSOLIDATE
REUSABLE TOTE BAGS
CONSERVE ELECTRICITY
REFUEL AFTER DARK
DIKE MORE RAKE MORE



353 s302.2b



On-Site Inspection

- Tank inspection
 - Pressure Vents
 - Clean spill containment receptacles
 - Gaskets installed
 - Fill pipe measures less than 6" from the bottom



CLEAN AIR
MAKE
MORE

WALK MORE USE CFLS MORE
ERRANDS MORE RIDE PUBLIC
MORE CONSIDER SOLAR MORE
REDUCE WOODBURNING MORE
MORE RIDE THE BUS MORE

Fill Pipe / Drop Tube

DRIVE HYBRIDS MORE CONSOLIDATE
ERRANDS MORE RIDE PUBLIC
TRANSPORTATION MORE USE ENERGY
EFFICIENT APPLIANCES MORE CARRY
REUSABLE TOTE BAGS MORE
CONSIDER SOLAR MORE RUN COLD
WATER CYCLES MORE USE REUSABLE
CONTAINERS MORE CONSERVE
ELECTRICITY MORE REDUCE
WOODBURNING MORE RECYCLE
MORE USE ELECTRIC LAWN AND
GARDEN EQUIPMENT MORE REFUEL
AFTER DARK MORE RIDE THE BUS
MORE WALK MORE



Maricopa County
Air Quality Department

DRIVE HYBRIDS MORE CONSOLIDATE ERRANDS MORE RIDE PUBLIC TRANSPORTATION MORE USE ENERGY EFFICIENT APPLIANCES MORE CARRY REUSABLE
TOTE BAGS MORE CONSIDER SOLAR MORE RUN COLD WATER CYCLES MORE USE REUSABLE CONTAINERS MORE CONSERVE ELECTRICITY MORE REDUCE
WOODBURNING MORE RECYCLE MORE USE ELECTRIC LAWN AND GARDEN EQUIPMENT MORE REFUEL AFTER DARK MORE RIDE THE BUS MORE WALK MORE

Fill Pipe / Drop Tube



Fill Pipe / Drop Tube

- Fill pipes must be less than 6" from the bottom of the tank
 - This is to minimize vapor escape via fill pipe
 - Some fill pipes are cut at an angle increase delivery time



On-Site Inspection

- Tank inspection
 - Pressure Vents
 - Clean spill containment receptacles
 - Gaskets installed
 - Fill pipe measures less than 6" from the bottom
 - Poppet Valve recovery



CLEAN AIR
**MAKE
MORE**

WALK MORE USE CFLS MORE
ERRANDS MORE RIDE PUBLIC
MORE CONSIDER SOLAR MORE
REDUCE WOODBURNING MORE
MORE RIDE THE BUS MORE

Poppet Valves

DO MORE CONSOLIDATE
REUSABLE TOTE BAGS
CONSERVE ELECTRICITY MORE
REFUEL AFTER DARK
DIKE MORE RAKE MORE



CLEAN AIR
MAKE
MORE

WALK MORE USE CFLS MORE
ERRANDS MORE RIDE PUBLIC
MORE CONSIDER SOLAR MORE
REDUCE WOODBURNING MORE
MORE RIDE THE BUS MORE

WALK MORE USE CFLS MORE
ERRANDS MORE RIDE PUBLIC
MORE CONSIDER SOLAR MORE
REDUCE WOODBURNING MORE
MORE RIDE THE BUS MORE

WALK MORE USE CFLS MORE
ERRANDS MORE RIDE PUBLIC
MORE CONSIDER SOLAR MORE
REDUCE WOODBURNING MORE
MORE RIDE THE BUS MORE

WALK MORE USE CFLS MORE
ERRANDS MORE RIDE PUBLIC
MORE CONSIDER SOLAR MORE
REDUCE WOODBURNING MORE
MORE RIDE THE BUS MORE

Vapor Recovery hoses



On-Site Inspection

- Tank inspection
 - Pressure Vents
 - Clean spill containment receptacles
 - Gaskets installed
 - Fill pipe measures less than 6" from the bottom
 - Poppet Valve recovery
 - Fill pipe assembly is tight and does not turn



Fill Pipe / Drop Tube

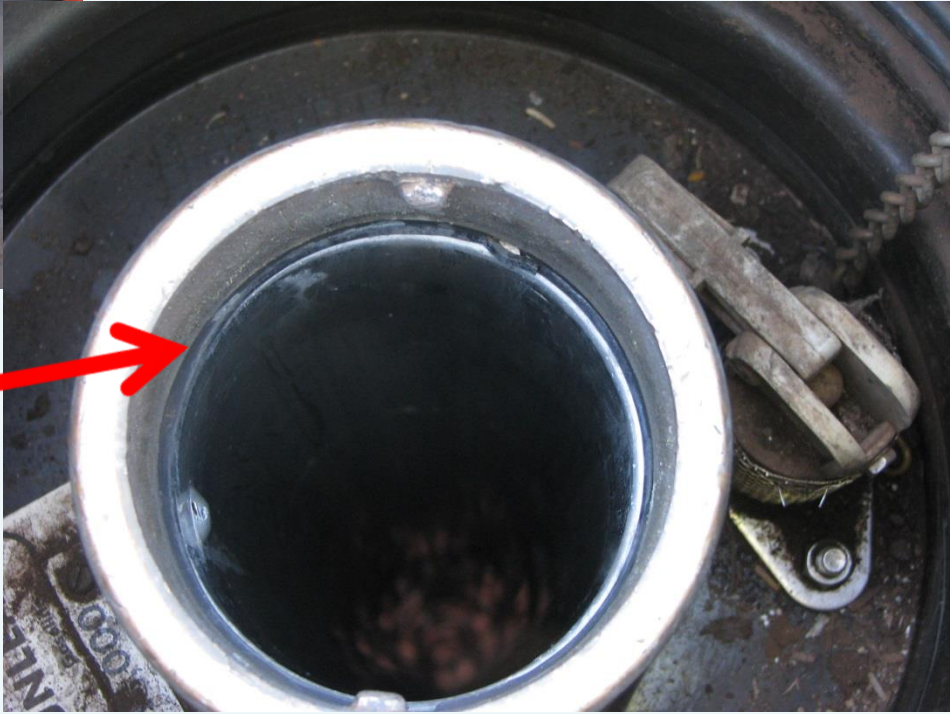
- Twist the riser assembly to determine if it is “tight”
 - If the assembly is a non-swivel type, it should not move
 - If it is a swivel, it will turn but should not tighten or unscrew

CLEAN AIR
MAKE
MORE

WALK MORE USE CFLS
ERRANDS MORE RIDE PUBLIC
MORE CONSIDER SOLAR
REDUCE WOODBURNING
MORE RIDE THE BUS

Fill Pipe Seals

DO MORE CONSOLIDATE
REUSABLE TOTE BAGS
CONSERVE ELECTRICITY
REFUEL AFTER DARK
BIKE MORE RAKE MORE



Damage or
missing seals

Regular
Unleaded
Gasoline



Regular
Unleaded
Gasoline



Fill Pipe Tightness

- Fill pipe “tightness” is based on inspector application of the term “tight” in the absence of a certified individual
- If the facility has the ability to verify through the certification that the system is compliant, we will defer to that individual

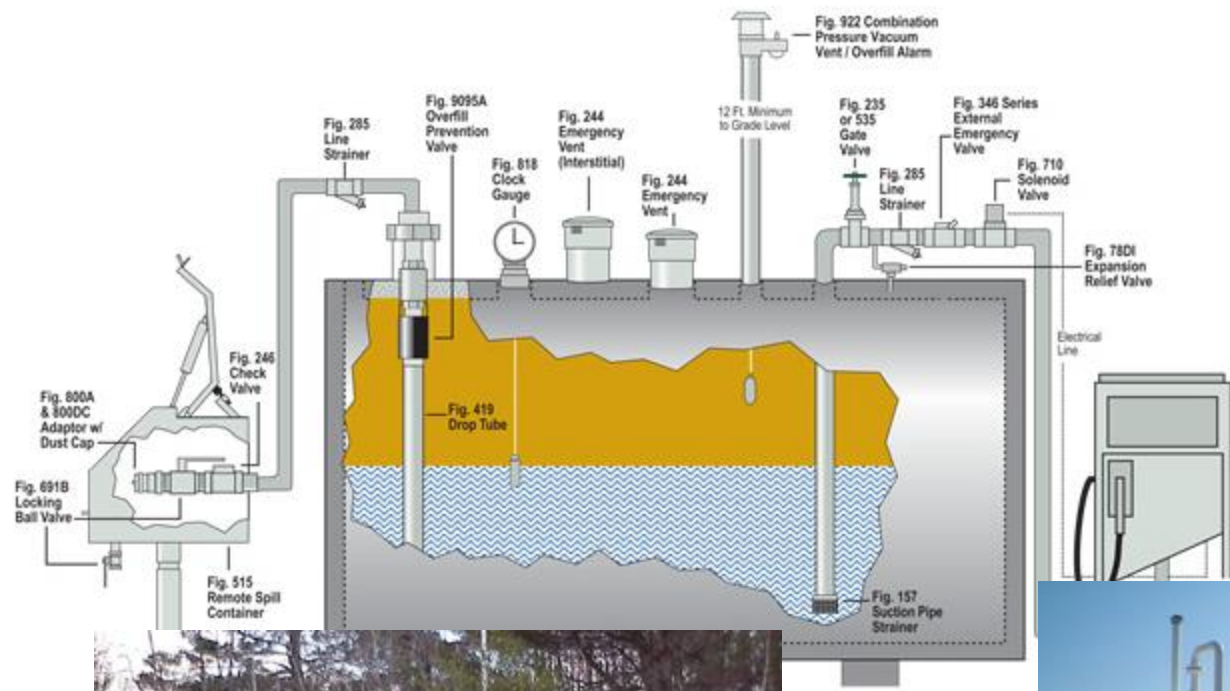


CLEAN AIR
MAKE
MORE

WALK MORE USE CFLS MORE
ERRANDS MORE RIDE PUBLIC
MORE CONSIDER
REDUCE WOODBURNING
MORE RIDE THE BUS MORE

Above Ground Storage Tanks (AST)

DO MORE CONSOLIDATE
REUSABLE TOTE BAGS
ELECTRICITY MORE
REFUEL AFTER DARK
BIKE MORE RAKE MORE



Above Ground Storage Tanks (AST)

- Not required to have spill containment receptacle.
 - If it is installed, it must comply with regulations for underground storage tanks

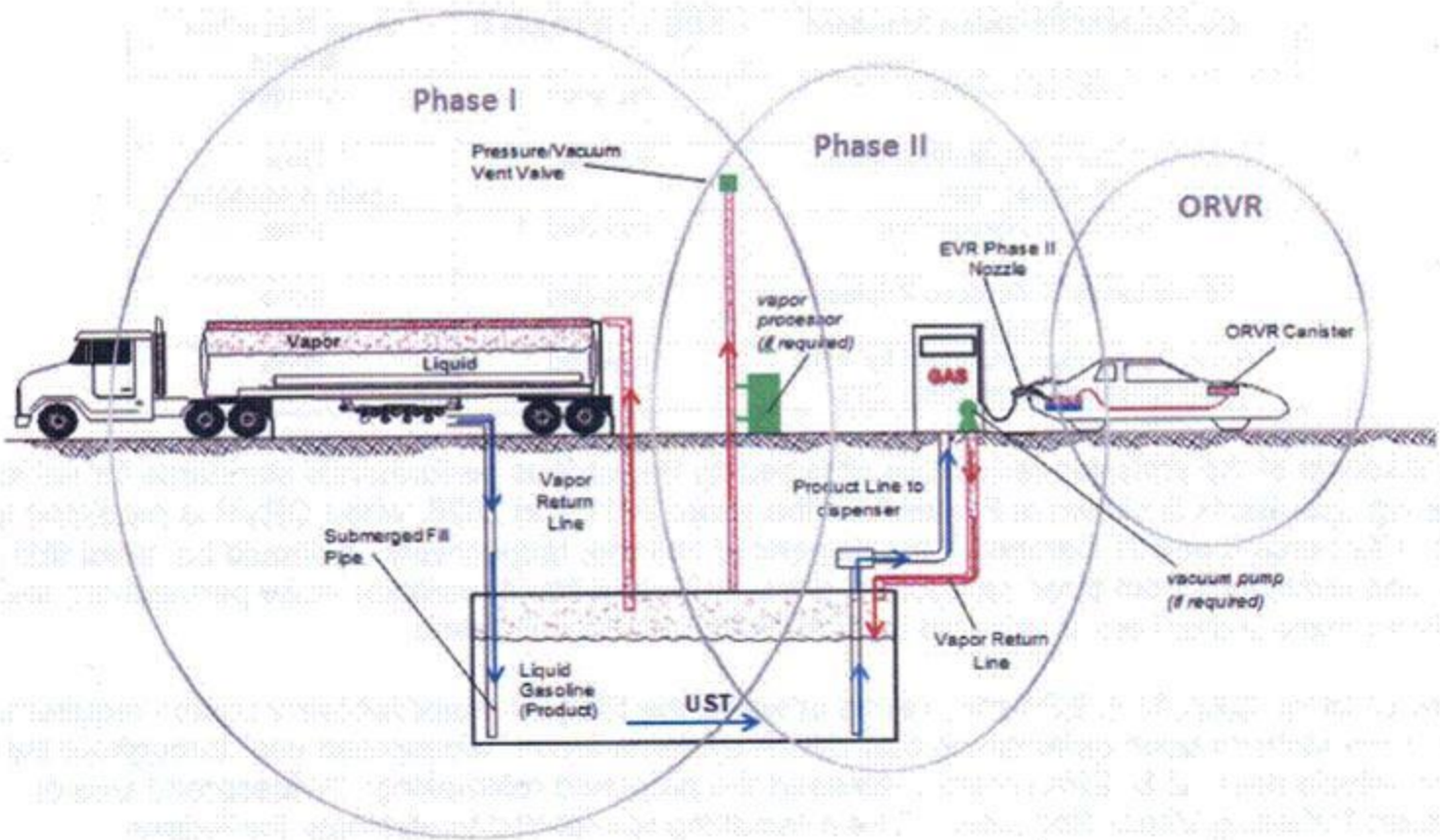


Maricopa County
Air Quality Department

Performance Testing

Figure 1

Phase I, Phase II & ORVR Vapor Recovery Operations at California Service Stations



Responsibility	Stage I Vapor Recovery	Stage II Vapor Recovery	Vehicle On Board Vapor Recovery
Maricopa County Air Quality	Requires Vapor Decay Testing (TP-201) every 3 years on facilities greater than 100,000 gallons per any month	No responsibility	No responsibility
Arizona Department of Weights & Measures	Conducts Testing (TP-96.1 Vapor Decay & Vapor Valve Testing) on all facilities within Area A greater than 10,000 gallons/month		No responsibility
Air Quality accepts the TP-96.1 testing as an alternative allowable under 40 CFR 63 (NESHAP 6C)			

WALK MORE USE CFLS MORE
ERRANDS MORE RIDE PUBLIC
MORE CONSIDER SOLAR MORE
REDUCE WOODBURNING MORE
MORE RIDE THE BUS MORE

RIGS MORE CONSOLIDATE
 REUSABLE TOTE BAGS
 WASTE ELECTRICITY MORE
 REFUEL AFTER DARK
 RAKE MORE RAKE MORE



CLEAN AIR
MAKE
MORE

WALK MORE USE CFLS MORE
ERRANDS MORE RIDE PUBLIC
MORE CONSIDER SOLAR MORE
REDUCE WOODBURNING MORE
MORE RIDE THE BUS MORE

Performance Testing

USE MORE CONSOLIDATE
REUSABLE TOTE BAGS
CONSERVE ELECTRICITY MORE
REFUEL AFTER DARK
BIKE MORE RAKE MORE



Arizona Department of Weights and Measures Vapor Recovery Pre-Test Checklist

Test Date _____
Location BMF # _____
RSR No. _____

Site Location
Name _____
Address # _____
City, State, & Zip _____

Testing Company
Name _____
Address _____
City, State, & Zip _____

Type of VR System:

☐ Balance ☒ Vapor Vac ☐ Healy ☐ Wayne Vac ☐ Hirt ☐ Hasstech
☐ Manifold ☐ Dedicated Vent pipe color WH

Actual Tank Size (gal) <u>11594</u>	87 UNL2 Tank Size <u>19951</u>	89 MUL Tank Size <u>19951</u>
Gallons <u>8688</u>	Gallons <u>15224</u>	Gallons <u>15344</u>
Ullage <u>2906</u>	Ullage <u>4727</u>	Ullage <u>4607</u>
Ullage% _____	Ullage% _____	Ullage% _____

Test Criteria: Test Time 600A Test Method TP 91-1 ☒ TP 96-1 ☐
Total Tank Capacity 39902 Total Gallons 39256 Total Ullage 12240

Total Ullage 12240 X5min/1000 Gal = 61200 Length of Test 65 min

Tank Pad Inspection:

Grade	Spill Bucket Properly Installed & Tested	Spill Bucket Clean & Dry	Spill Bucket Drain Operable	Fill Vapor Caps & Gaskets
87	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
87	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
89	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
91	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Pre Test Completion Checklist:
Communication ☒ Results pass
A/L ☒ Results pass
Pressure Decay ☒ Results pass (value) 9.98
PV Checked ☒ Results pass
Dry & Clean ☒ Results pass
Liquid Blockage ☒ Results pass
Test Dry Brakes ☒ Results pass
gpm checked ☒ Results pass
Checked Vapor Pot ☒ Results pass

Was all work performed by the testing company? Yes ☒ No ☐ (If No then refer to comment sheet)
Was the system tested after repairs? Yes ☒ No ☐

I certify that the facility's vapor recovery system and equipment, including hoses, nozzles, dispensers, vapor return line and tanks, have been tested for tightness to comply with all regulations. I certify that the Facility is ready for its annual test.

Tester Signature _____ Date _____

40 CFR 63.11120(a)(1) requirement Pressure Vacuum vent valve leak rate and cracking pressure
40 CFR 63.11120(a)(2) is a 2" water column test. ADWM requires a 10" water column pressure decay test.

Stage II Vapor Recovery



Maricopa County
Air Quality Department

Stage II Vapor Recovery

- On September 17, 2013, EPA indicated that it had reevaluated the approach for this region to remove Stage II vapor recovery
 - Maricopa area has not yet attained the 2008 eight-hour ozone standard (0.075 ppm) and has a 2015 attainment date as a Marginal Area
 - Focus should be on attaining the standard by 2015, rather than on using off-sets for temporary emission increases during the same time period that the area should be attaining the standard



Stage II Vapor Recovery

- November 15th, 2013 – EPA made a determination that:
 - Beginning in 2014
 - new resale and non-resale gasoline dispensing facilities will no longer be required to install Stage II Vapor Recovery.
 - Beginning October 1st, 2016 and continuing through September 30th, 2018
 - All stage II vapor recovery systems will be decommissioned at existing facilities



Stage II Vapor Recovery

Regionwide Increase in Emissions from Removal of Stage II Controls

Stage II Removal Schedule at New and Existing Gasoline Dispensing Facilities	Emission Increase from New Facilities (metric tons/day)		Emission Increase from New and Existing Facilities (metric tons/day)				2014-2019 Summed Emission Increase (metric tons/day)
	2014	2015	2016	2017	2018	2019	
New in 2014, Existing in 2016-2017	0.015	0.019	0.094	0.054	0	0	0.182
EPA Suggested Schedule: New in 2014, Existing in 2017-2018	0.015	0.019	0.015	0.024	0.036	0	0.108
New in 2014, Existing in Oct. 2016-Sept. 2018 (after 2016 ozone season)	0.015	0.019	0.015	0.031	0.023	0	0.102
Retain Stage II Controls	0	0	0	0	0.108	0.244	0.352

Stage II Vapor Recovery

- There will not be a change to the inspections that Maricopa County Air Quality conducts
- The decommissioning requires Weights & Measures to change their regulations to specifically remove “Stage II” from state law
- They will continue to conduct testing on all facilities annually



Important Numbers

- Air Monitoring
 - 602.258.0666
- Arizona Department of Weights & Measures
 - 602.771.4920



Links

- Records request:
 - http://www.maricopa.gov/aq/contact_us/docs/pdf/Records%20Request-Non-Commercial.pdf
- Permit Transfer Application:
 - http://www.maricopa.gov/aq/divisions/permit_engineering/docs/pdf/Permit-Transfer.pdf
- Contact Information Changes
 - http://www.maricopa.gov/aq/divisions/permit_engineering/docs/pdf/ContactUpdateForm.pdf
- Rule 353
 - http://www.maricopa.gov/aq/divisions/planning_analysis/rules/docs/353-9906.pdf
- General Permit for Gasoline Dispensing Operations
 - http://www.maricopa.gov/aq/divisions/permit_engineering/docs/pdf/Gas_Station_General Permit.pdf

Can't find the form you looking for?
Contact the Business Assistance Coordinator
602-506-5102 or AQbusinessassistance@mail.maricopa.gov



Thank you for attending!

**CLEAN AIR
MAKE
MORE**



Maricopa County
Air Quality Department

WALK MORE USE CFLS MORE CARPOOL MORE BIKE MORE RAKE MORE TELECOMMUTE MORE DRIVE HYBRIDS MORE CONSOLIDATE ERRANDS MORE RIDE PUBLIC TRANSPORTATION
MORE USE ENERGY EFFICIENT APPLIANCES MORE CARRY REUSABLE TOTE BAGS MORE CONSIDER SOLAR MORE RUN COLD WATER CYCLES MORE USE REUSABLE CONTAINERS
MORE CONSERVE ELECTRICITY MORE REDUCE WOODBURNING MORE RECYCLE MORE REFUEL AFTER DARK MORE RIDE THE BUS MORE RIDE THE LIGHT RAIL MORE USE CFLS MORE